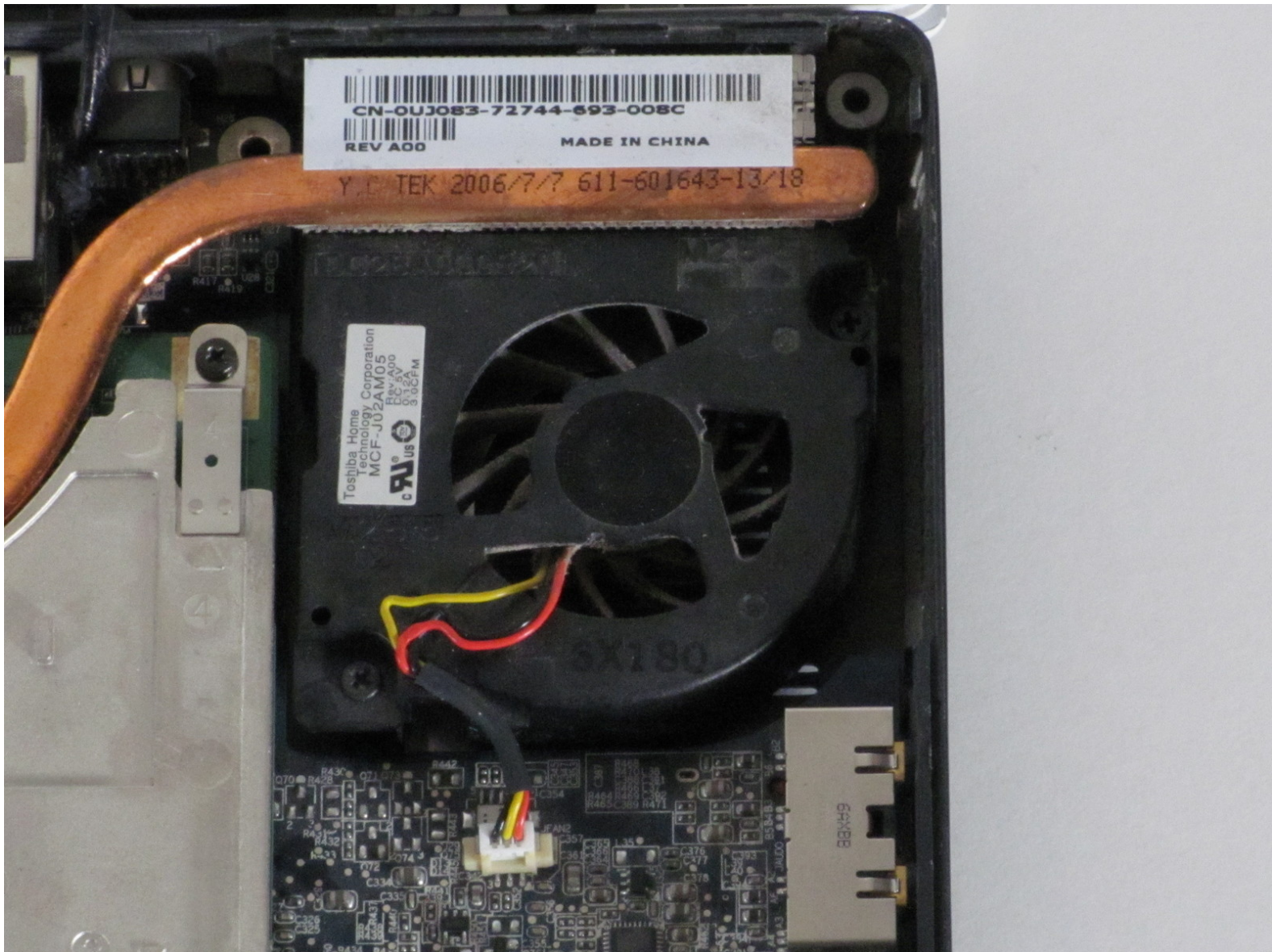




# Dell Inspiron E1705 Cooling System Replacement

This repair guide contains step by step instructions for removing and the cooling system (fans) for a Dell Inspiron E1705 notebook.

Written By: Evan Fairchild



## INTRODUCTION

This requires some disassembly before you can access the cooling system. Once you have completed that, removing and replacing the fans is very quick and easy.

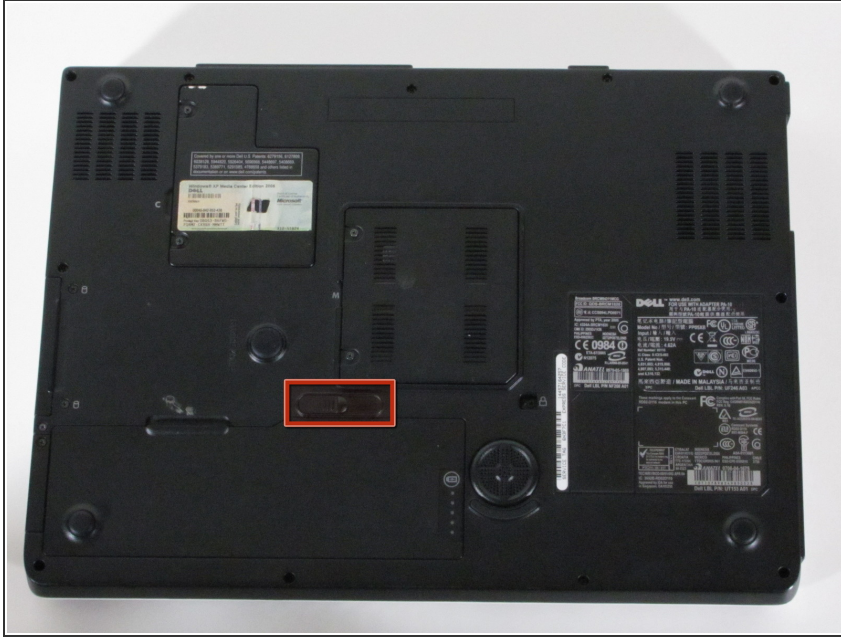
---



### TOOLS:

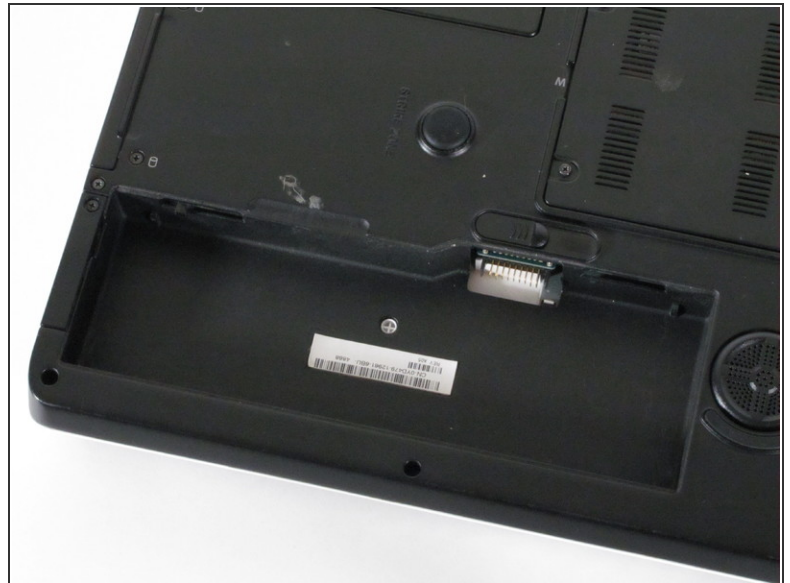
- [Phillips #1 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
-

## Step 1 — Battery



- ⚠ Make sure that the computer is turned off and is disconnected from external power source.
- Turn it upside down and locate the battery release switch.

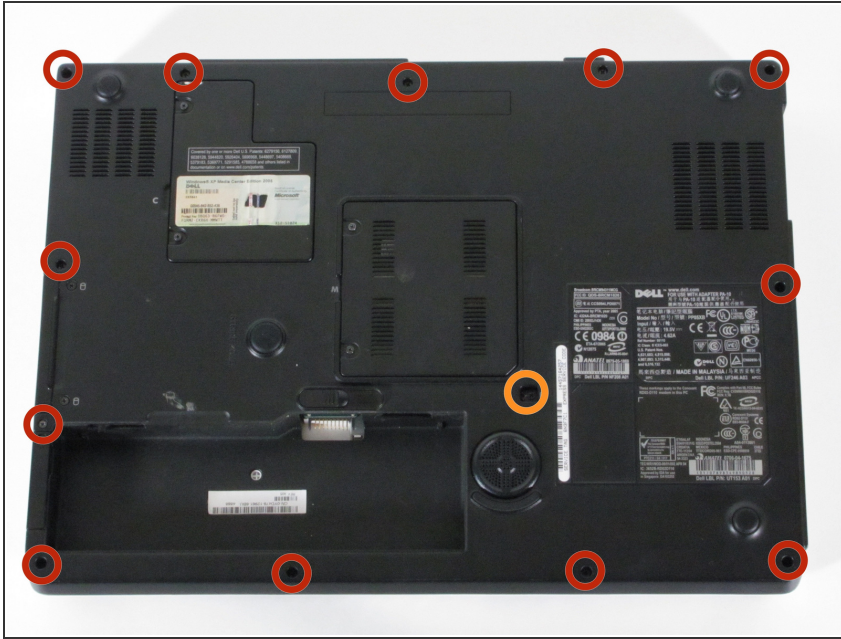
## Step 2



- While holding the switch in the open position, lift out the battery.
- ⓘ If you plan to work on any internal laptop components, press and hold the power button for 5 seconds. This will dissipate any residual charge on the motherboard to prevent electrical shock when you begin to handle it.



## Step 3 — Lower Case



- Remove the 12 Phillips #1 screws from the edges of the lower case.
- You may also need to remove the central screw next to the lock icon.

## Step 4



- Turn the computer back over and tilt the screen open.
- Use the plastic opening tool to carefully pry the panel out as shown in the pictures

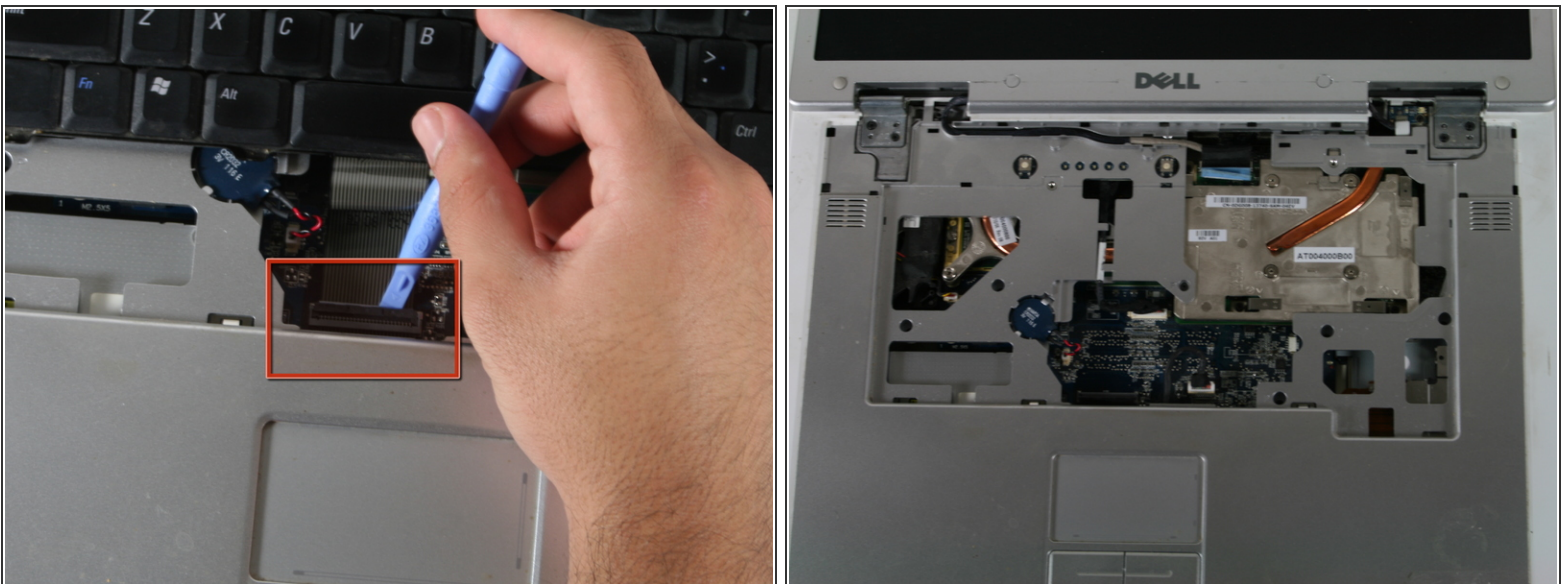
⚠ Remove the plastic panel carefully.

## Step 5



- Use the small Phillips head screwdriver to remove the screws circled in red.
- Gently lift the keyboard up and rest it just below the screen as shown in the picture.
- The keyboard will still be connected to the motherboard.

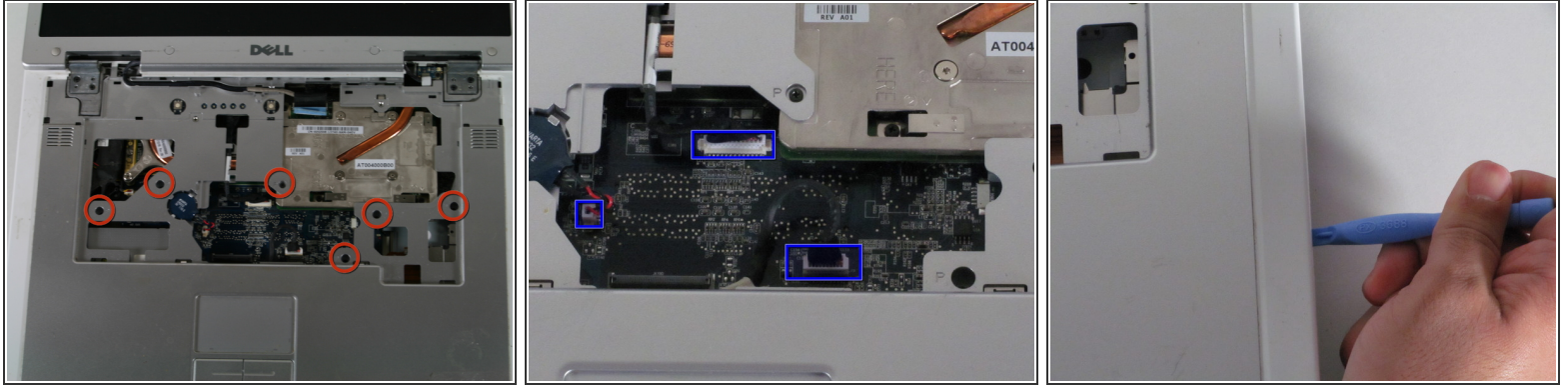
## Step 6



- Before removing the keyboard completely, use the plastic opening tool to gently lift the clamp connecting the keyboard to the motherboard.
- Once the keyboard has been disconnected, remove the keyboard completely.

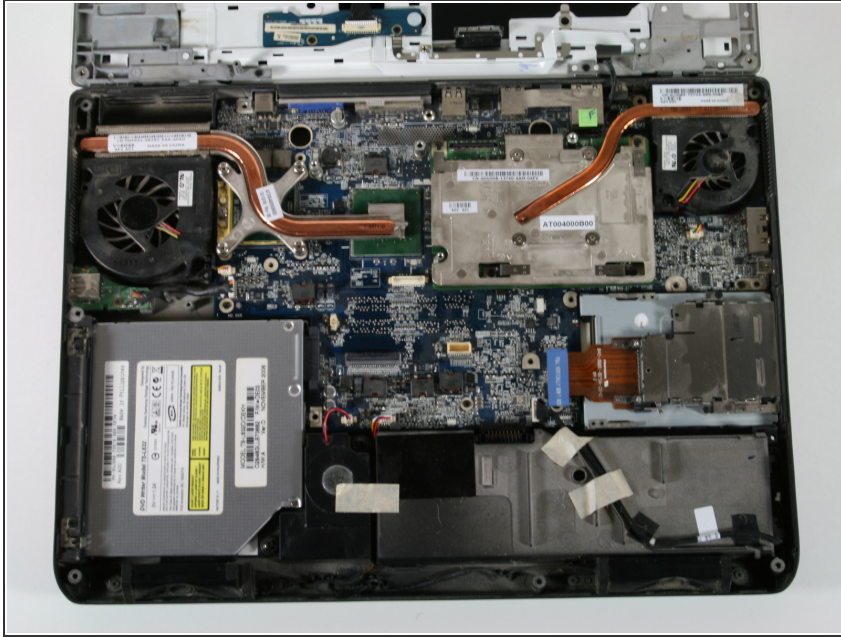


## Step 7



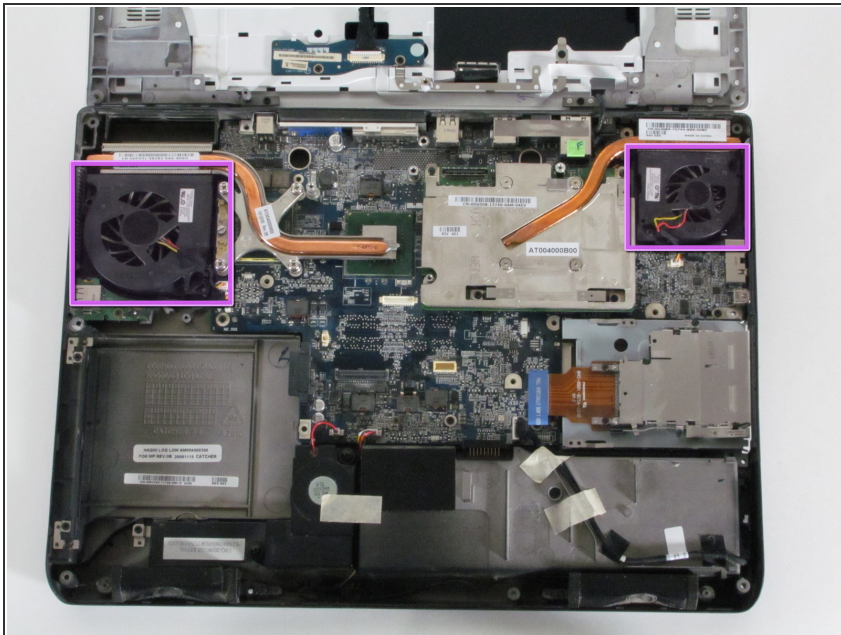
- Using a Phillips head screwdriver, remove the screws shown in the image. They all have the letter "P" next to them.
- Carefully unplug the connections shown.
- ⓘ Don't forget the display cable. It is slightly to the right of the Dell logo at the top.
- Also, the wireless cables on the right side may prevent moving the upper case out of the way.
- Once the screws have been removed and the connections unplugged, use the plastic opening tool to gently separate the panel from the lower case.

## Step 8



- ⚠ Remove the plastic case by gently bending back towards the screen. You can bend the screen all the way back if that helps.
- ℹ For the motherboard the optical drive will be removed already. However for the lower case it is not necessary that it be taken out.
- ⚠ If you are having trouble removing the upper plastic case (and LCD) from the lower case, there may still be a wire connected to the Wi-Fi adapter. Turn the laptop over, open the Wi-Fi module access panel and remove the + and - leads for the Wi-Fi antenna.

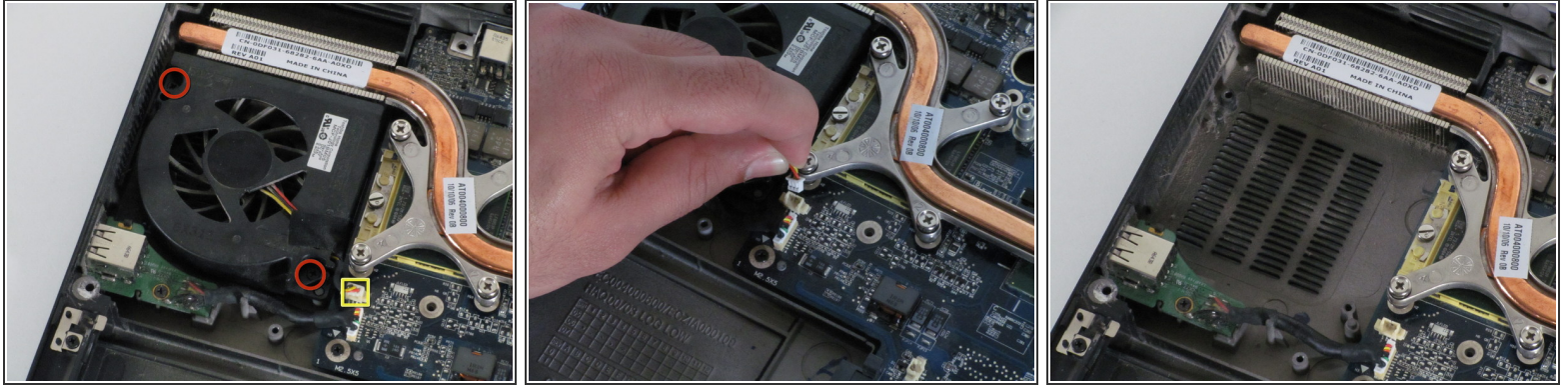
## Step 9 — Cooling System



- Locate the two fans as shown
- We will begin by removing the left fan first
- ℹ You should be aware that the 2 fans are unique and have 2 different part numbers. CPU fan on left is part # DC28000010L. GPU fan on right is part # DC28A000920.

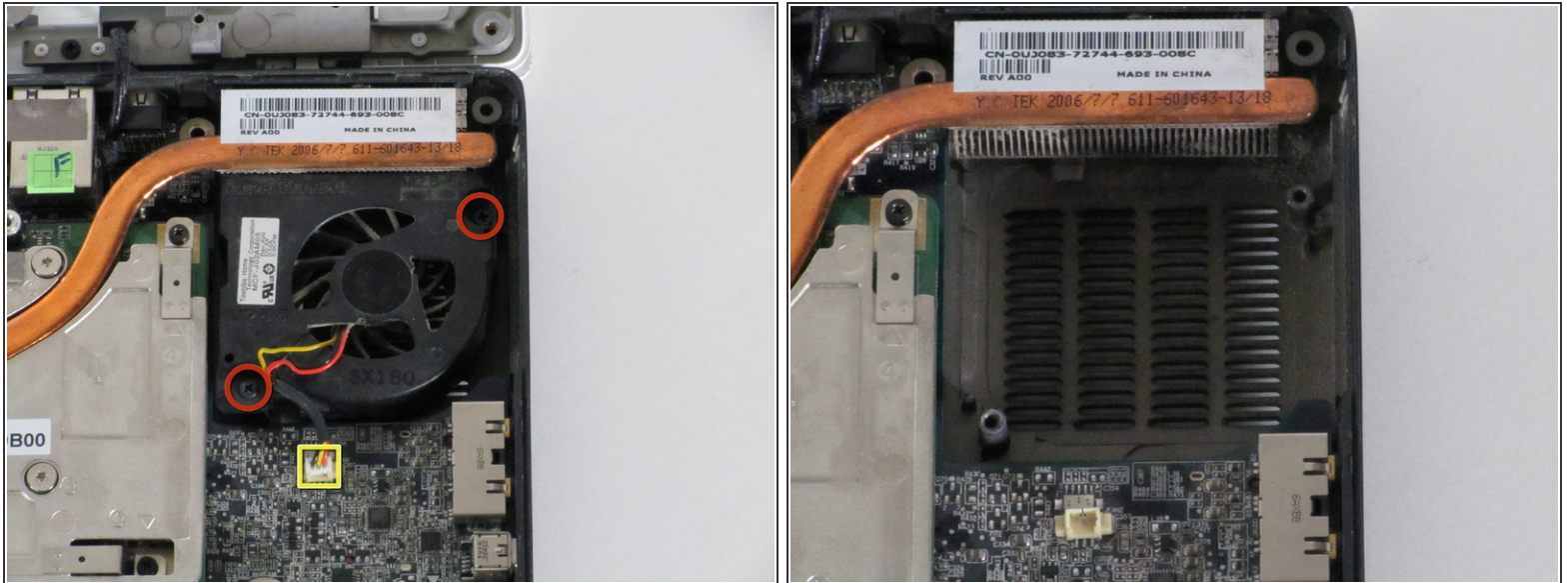


## Step 10



- Remove the two screws indicated in the first picture.
- Remove the lead also shown
- The fan should lift out with ease. Do not force out.

## Step 11



- Remove the two screws indicated.
- Remove the lead also indicated in the picture
- Once the lead and both screws are removed, the fan should lift out with ease. Do not force out.



To reassemble your device, follow these instructions in reverse order.

This document was last generated on 2017-06-23 09:20:13 AM.